|   |  |  | JCO PCT/PTO [1 3 AUG 2001     |  |  |  |  |  |  |  |  |  |  |
|---|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|--|
|   | M PT@<br>/ 11-20   | U.S. DEPARTME COMMERCE PATENT AND TRADEMARK OFFICE (2000)  | ATTO IS DOUKET NUMBER 163-34  |  |  |  |  |  |  |  |  |  |  |
| TRANSMITTAL LETTER TO THE UNITED STATES  U.S. APPLICATION NO. (If known, see 37 C.F.R. 5)                                       |  |  |                               |  |  |  |  |  |  |  |  |  |  |
| DESIGNATED/ELECTED OFFICE (DO/EO/US) リップリング Unassigned  |  |  |                               |  |  |  |  |  |  |  |  |  |  |
| INTERNATIONAL APPLICATION INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED   |  |  |                               |  |  |  |  |  |  |  |  |  |  |
|   |  |  |                               |  |  |  |  |  |  |  |  |  |  |
| TITLE OF INVENTION NO 1 3 2001 EN METALLOPROTEASES OF THE NEPRILYSIN FAMILY   |  |  |                               |  |  |  |  |  |  |  |  |  |  |
| APPLICANT(S) FOR TOO/EO/US DESGROSEILLERS et al   |  |  |                               |  |  |  |  |  |  |  |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: |  |  |                               |  |  |  |  |  |  |  |  |  |  |
| 1.  |  |  |                               |  |  |  |  |  |  |  |  |  |  |
| 2.  |  | This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.  This is a <b>SECOND</b> or <b>SUBSECULENT</b> submission of items concerning a filing under 05 U.S.C. 371.  |                               |  |  |  |  |  |  |  |  |  |  |
| 2.<br>3.  | $\boxtimes$  | This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.  This is an express request to begin notional examination procedures (95 U.S.C. 974(6)). The extension is a second of the second of th |                               |  |  |  |  |  |  |  |  |  |  |
| ٥.  |  | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.  |                               |  |  |  |  |  |  |  |  |  |  |
| 4.  |  | The U.S. has been elected by the expiration of 19 months from the priority date (Article 31).  |                               |  |  |  |  |  |  |  |  |  |  |
| 5.  | A co   | A copy of the International Application as filed (35 U.S.C. 371(c)(2)).  |                               |  |  |  |  |  |  |  |  |  |  |
|   | a. 🛛 is attached hereto (required only if not communicated by the International Bureau). |  |                               |  |  |  |  |  |  |  |  |  |  |
| are.  | b.   | has been communicated by the International Bureau.   |                               |  |  |  |  |  |  |  |  |  |  |
| ui<br>M   | c.   | is not required, as the application was filed in the United States Receiving Office (RO/US).   |                               |  |  |  |  |  |  |  |  |  |  |
| ]<br>[]<br>[6.  |  | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).   |                               |  |  |  |  |  |  |  |  |  |  |
| =£  |  |  |                               |  |  |  |  |  |  |  |  |  |  |
|   | b.   | has been previously submitted under 35 U.S.C. 154(d)(4).   |                               |  |  |  |  |  |  |  |  |  |  |
| IJ<br>IJ7.  |  | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))   |                               |  |  |  |  |  |  |  |  |  |  |
|   | a.   | are attached hereto (required only if not communicated by the International Bureau).   |                               |  |  |  |  |  |  |  |  |  |  |
| mo <sub>r</sub>   | b.   | have been communicated by the International Bureau.  |                               |  |  |  |  |  |  |  |  |  |  |
| T<br>T  | c.   | have not been made; however, the time limit for making such amendm   | nents has <b>NOT</b> expired. |  |  |  |  |  |  |  |  |  |  |
| U   | d.   |  |                               |  |  |  |  |  |  |  |  |  |  |
| <b></b>   |  | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  |                               |  |  |  |  |  |  |  |  |  |  |
| 8.<br>9.  |  | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).   |                               |  |  |  |  |  |  |  |  |  |  |
| 10.   |  |  |                               |  |  |  |  |  |  |  |  |  |  |
|   | Item   | ms 11 To 20 below concern document(s) or information included:   |                               |  |  |  |  |  |  |  |  |  |  |
| 11.   |  | An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.   |                               |  |  |  |  |  |  |  |  |  |  |
| 12.   |  | An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.   |                               |  |  |  |  |  |  |  |  |  |  |
| 13.   | $\boxtimes$  | A FIRST preliminary amendment.   |                               |  |  |  |  |  |  |  |  |  |  |
| 14.   |  | A SECOND or SUBSEQUENT preliminary amendment.  |                               |  |  |  |  |  |  |  |  |  |  |
| 15.   |  | A substitute specification.  |                               |  |  |  |  |  |  |  |  |  |  |
| 16.   |  | A change of power of attorney and/or address letter.   |                               |  |  |  |  |  |  |  |  |  |  |
| 17.   |  | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.  |                               |  |  |  |  |  |  |  |  |  |  |
| 18.   |  | A second copy of the published international application under 35 U.S.C. 154(d)(4).  |                               |  |  |  |  |  |  |  |  |  |  |
| 19.   |  | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).  |                               |  |  |  |  |  |  |  |  |  |  |
| 20.   |  | Other items or information.  |                               |  |  |  |  |  |  |  |  |  |  |

518 Rec'd P 770 1 3 AUG 2001

| U.S. APPLICATION OF (10)   | oryn, Ge & 2+19/1.5 | <b>b</b> ) | INTERNATIONAL APPLICATION NO. A PCT/CA00/00147    |               |                 | ATTORNEY'S DOCKET NUMBER 163-34 |                         |          |                                       |  |  |  |
|--|---------------------|------------|---|---------------|-----------------|---------------------------------|-------------------------|----------|---------------------------------------|--|--|--|
| 21.   The following fees are submitted:  |                     |            |   |               |                 |                                 | ALCULATIONS             | PTC      | USE ONLY                              |  |  |  |
| BASIC NATIONAL F   |                     |            | -(5):   |               | -               |                                 |                         |          |                                       |  |  |  |
| Neither internatio   |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| nor international :  |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| and International  |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$860.00   |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO  |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO\$710.00 International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO   |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$690.00 International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO   |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
|  |                     |            | ticle 33(1)-(4)                                   |               |                 |                                 | ··· -                   | Γ_       |                                       |  |  |  |
| 0 1 (0100.00 (   | \$                  | 1000.00    |   | <del></del>   |                 |                                 |                         |          |                                       |  |  |  |
| months from the earliest   | claimed priority d  | ate (37 C  |   | ⊠ 30          |                 | \$                              | 130.00                  |          |                                       |  |  |  |
| CLAIMS   | NUMBER FII          |            | NUMBER EXTRA                                      |               | ATE             | Ļ                               |                         |          |                                       |  |  |  |
| Total Claims   | 38                  | -20 =      | 18  | X             | \$18.00         | \$                              | 324.00                  | ⊢        |                                       |  |  |  |
| Independent Claims   | 8                   | -3 =       | 5   | X             | \$80.00         | _                               | 400.00                  | <b> </b> |                                       |  |  |  |
| MULTIPLE DEPENDEN  | I CLAIMS(S) (if a   | pplicable  |   |               | 0.00            | \$                              | 0.00                    |          |                                       |  |  |  |
| A - I' A - I   |                     | 0 07 (     | TOTAL OF AB                                       |               | JLATIONS =      | \$                              | 1854.00                 |          |                                       |  |  |  |
|  |                     | See 37 (   | CFR 1.27. The fees indicate                       | ated above    |                 |                                 | 007.00                  |          |                                       |  |  |  |
| are reduced by 1/2   | •                   |            |   |               | UBTOTAL =       | \$                              | 927.00<br><b>927.00</b> | ├        |                                       |  |  |  |
| Proposing for of \$120.6   | On for furnishing t | ho Englis  | h Translation later than [                        |               | UBIUIAL =       | Þ                               | 927.00                  |          |                                       |  |  |  |
| months from the earliest   |                     |            | sh Translation later than [                       |               |                 |                                 | 0.00                    | i        |                                       |  |  |  |
| . :  | ONAL FEE =          | \$         | 927.00  | ┢             |                 |                                 |                         |          |                                       |  |  |  |
| Fee for recording the en   | closed assignmen    | t (37 C F  | R. 1.21(h)). The assignr                          |               |                 | ۳                               | 327.00                  | $\vdash$ | · · · · · · · · · · · · · · · · · · · |  |  |  |
| accompanied by an app  | ,<br>+              | \$         | 0.00  |               |                 |                                 |                         |          |                                       |  |  |  |
| Fee for Petition to Reviv  | \$                  | 0.00       |   |               |                 |                                 |                         |          |                                       |  |  |  |
|  | NCLOSED =           | \$         | 927.00  |               |                 |                                 |                         |          |                                       |  |  |  |
|  |                     |            |   |               |                 | Amount to be:                   |                         |          |                                       |  |  |  |
|  |                     |            |   |               |                 | refunded \$                     |                         |          |                                       |  |  |  |
| Li   | ·                   |            |   |               |                 |                                 | Charged \$              |          |                                       |  |  |  |
|  |                     |            |   |               |                 | _                               | J. Harring C. H.        |          |                                       |  |  |  |
| <ul> <li>a.</li></ul>  |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
|  |                     |            | 7 C.F.R. 1.494 or 1.495 happlication to pending s |               | n met, a petiti | on 1                            | to revive (37 C         | ).F.R    | ≀. 1.137(a)                           |  |  |  |
|  | -                   |            | . •   |               |                 |                                 |                         |          |                                       |  |  |  |
| SEND ALL CORRESPO  | Dem                 | <u>u</u>   | 415   | $\Rightarrow$ |                 |                                 |                         |          |                                       |  |  |  |
| SIGNATURE / SIGNAT |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| 1100 North Glebe Road, 8 <sup>th</sup> Floor   |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| Arlington, Virginia 22201-4714   |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
| Telephone: (703) 816-40  |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
|  |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
|  |                     |            |   |               |                 |                                 |                         |          |                                       |  |  |  |
|  |                     | August 13, | 2001  | <u> </u>      |                 |                                 |                         |          |                                       |  |  |  |
|  |                     |            |   | REGIST        | RATION NUMBE    | ER                              | Date                    |          |                                       |  |  |  |